

ABSTRACT

The present invention relates to genetically
5 attenuated superantigen toxin vaccines altered such
that superantigen attributes are absent, however the
superantigen is effectively recognized and an
appropriate immune response is produced. The
attenuated superantigen toxins are shown to protect
10 animals against challenge with wild type toxin.
Methods of producing and using the altered
superantigen toxins are described.

PCT/US2003/023220